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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/461,090
Applicant : Axel ULLRICH et al
Filed : December 14, 1999
TC/A.U. : 1634
Examiner : Frank Wei Min Lu

Docket No. : 2923-347
Customer No. : 06449
Confirmation No. : 3321

INFORMATION DISCLOSURE STATEMENT


Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith information that the Office may wish to consider in examination of the subject application. Materials submitted for consideration are listed on the attached form PTO-1449.

The information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Accordingly, Applicant petitions the Commissioner to consider this information disclosure statement.

Respectfully submitted,

By 

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	09/461,090
Filing Date	December 14, 1999
First Named Inventor	ULLRICH et al
Group Art Unit	1634
Examiner Name	Fran Wei Min Lu
Confirmation No.	3321

Sheet	1	of	2	Attorney Docket Number	2923-347
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³ Code	Number ⁴	Kind ⁵ (if known)			
	1.	EP	0 780 386	A1	F. Hoffmann-LA Roche AG	6/25/97	

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code.

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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Sheet	2	of	2	Attorney Docket Number	2923-347

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	2.	Dong et al., "Metalloprotease-mediated ligand release regulates autocrine signaling through the epidermal growth factor receptor", PROC. NATL. ACAD. SCI., vol. 96, pp. 6235-6240, May 1999, Cell Biology.	
	3.	Brown et al., "Cell Surface Ectodomain Cleavage of Human Amphiregulin Precursor is Sensitive to a Metalloprotease Inhibitor", THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 273, no. 27, Issue of July 3, pp. 17258-17268, 1998.	
	4.	Daub et al., "Role of transactivation of the EGF receptor in signalling by G-protein-coupled receptors", LETTERS TO NATURE, vol. 379, February 8, 1996, pgs. 557-560.	
	5.	Daub et al., "Signal characteristics of G protein-transactivated EGF receptor", THE EMBO JOURNAL, vol. 16, no. 23, pp. 7032-7044, 1997.	
	6.	Izumi et al., "A Metalloprotease-disintegrin, MDC9/meltrin-γ/ADAM9 and PKCδ are involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor", THE EMBO JOURNAL, vol. 17, no. 24, pp. 7260-7272, 1998.	
	7.	Zena Werb, "ECM and Cell Surface Proteolysis: Regulating Cellular Ecology", CELL, vol. 91, pgs. 439-442, November 14, 1997.	
	8.	Takeyama et al., "Epidermal growth factor system regulates mucin production in airways", PROC. NATL. ACAD. SCI., vol. 96, pp. 3081-3086, March 1999, Medical Sciences.	
	9.	Romano et al., "Helicobacter pylori Upregulates Expression of Epidermal Growth Factor-related Peptides, but Inhibits Their Proliferative Effect in MKN 28 Gastric Mucosal Cells", THE JOURNAL OF CLINICAL INVESTIGATION, vol. 101, no. 8, April 1998, pgs. 1604-1613.	
	10.	Prenzel et al., "EGF receptor transactivation by G-protein-coupled receptors requires metalloproteinase cleavage of proHB-EGF", NATURE, vol. 402, 23/30 December 1999, pgs. 884-888.	
Examiner Signature			Date Considered

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